THE TECH

VOL. XXVII. No. 59 BOSTON, MASS., WEDNESDAY, MARCH 18, 1908 PRICE THREE CENTS

FRESHMEN ANNOUNCE BASEBALL SCHEDULE.

NINE GAMES SLATED.

Fifteen Men Appear as Candidates for 1911 Team.

Manager R. M. Spencer of the 1911 baseball team yesterday called a meeting of the candidates for the team. About fifteen men answered the call and declared their intention of coming out. Practice will be held daily at the Field at 4.00 P. M. beginning today after drill. Men are urged to come out right away to practice for the first game which comes April first.

The following schedule was announced:

Apr. 1	Noble and Greenough at their own grounds.
Apr. 4	Tufts 1911 at the Field.
Apr. 10	Volkman at Allston.
May 2	Stone School place undecided.
May 6	Sophomores at the Field.
May 15	Allen School at the Field.
May 16	Lowell Textile at Lowell.
May 18	Sophomores at the Field.
May 20	Waltham High at Waltham.

NEW CHAPTER GETS GOOD START.

Nine Charter Members On List.

At the first regular meeting of the Tech Brotherhood of St. Andrew held Sunday morning in Trinity church, H E. Weeks 1908 was elected director for the year and R. H. Ranger 1911 secretary and treasurer. After a short talk on the character of the brotherhood work, President Gardiner of the national assembly conducted the admission service for nine charter members: O. B. Denison 1911, H. W. Hoole 1908, F. R. Kneeland, instructor in analytical chemistry, G. D. Whittle 1911, P. V. Wells 1911, W. A. Johnston Jr. 1908, P. R. Powell 1908, D. W. Phelps 1909 and G. A. Haynes 1909. G. C. Lees 1908 was a member of the original Tech chapter. The forms for the requisition of the charter were then made out and the names, addresses, admission and dues of the members were taken.

ELECTRICALS INSPECT POWER STATION

A party of seniors from the electrical engineering course accompanied Prof. Shaad on a visit to the L street power station of the Edison Electric Light Co., Monday. The party was made up of V. E. Bird, W. P. Bixby, W. E. Booth, P. C. Brown, D. Bowman, F. M. Fuller, J. C. Gaylord, A. T. Kolatschevsky, R. E. Manning, G. A. Murfey, H. W. Shalling, and L. S. Weeks.

COINCIDENCE OF PLOTS.

"Over the Garden Wall" Resembles Play of Rostand's.

After the Tech Show, "Over the Garden Wall" was written and accepted, the attention of Westervelt, the author, was called to the similarity between his production and a play by Rostand called "The Fantastics." The likeness between the two pieces is at first striking, chiefly owing to the garden wall, but in their development they differ widely. "The Fantastics" is a story of two young people who sit upon a wall and plan all sorts of schemes to evade their respective parents and get married; the parents meanwhile are really in favor of the match and finally unite the pair. The play is in the last degree fantastic as its name suggests and does not pretend to depict real life. The action of the piece, moreover, centers entirely about the wall.

Westervelt's play, on the other hand, which was written before the author ever heard of "The Fantastics," depicts real modern life. The garden wall is merely incidental, and the two plays as a whole in no way resemble each other. It is quite a coincidence that this should have happened and will make the performance of "Over the Garden Wall" all the more interesting.

CLASS DAY BALLOTS DUE TOMORROW.

THIRTY NAMES ADDED TO LIST.

Ballots Can Be Secured At Cage.

Ballots for the Class Day Committee were issued yesterday. The ballot committee has asked all those who have not received ballots in the drawing rooms to call at the Cage at once. The final call for the ballots will be 4.00 P. M. Thursday. All ballots to be counted in the election must be in before this time.

About 30 names were added to the list given in last Friday's issue of The Tech. All those who protested were placed on the ballot, it being felt by the committee in charge that if a man had enough interest to do this, he should be included in the class.

The men added were R. A. Angus, A. B. Babcock, W. P. Bixby, H. W. Blackburn, K. C. Boush, P. C. Brown, L. P. Cassino, L. A. Clark, R. C. Collins, M. M. Davis, E. G. Genoud, L. C. Hampton, C. A. Harrington, J. H. H. Harwood, H. S. Howard, R. Kibbey, H. F. Kuehne, H. C. Lord, S. MacNutt, L. Mayo, M. P. Meade, P. W. Norton, C. H. Preston, J. G. Reid, H. W. Shalling, E. I. Williams, E. R. Willson, G. S. Witmer, F. E. Goodnow.

H. A. Rapelye has not been put on the ticket as he is a member of the committee, ex-officio, as president of the class.

ONLY ONE MAN AT FIELD.

Snow Delays Outdoor Work.

Only one man showed up at the Field for outdoor practice on account of the snow storm that came up so quickly yesterday afternoon. All the track men worked at the Gym.

The field is in very good condition. The house has been open for some time and a good deal of work has been done on the track. Before the snow came a good deal of the frost had worked out of the ground and the track was levelled and rolled. The prospects are that the track will be in very good condition for the season this year, it being now much better than it was at this time last year.

As soon as the weather permits the squad will go outdoors. Notice of the time will be given later.

CHEMICAL ENGINEERS DINE.

Seventeen Course X Juniors celebrated St. Patrick's Day by holding a dinner at the Hotel Marliave last night. Only three members of the course were absent. The dinner was arranged for in excellent style by R. E. Blankenbeuhler, L. G. Beers and J. J. Elbert.

R. E. Blankenbeuhler acted as toastmaster. His introductions created roars of laughter. Carl Gram, president of the junior class, was the first to respond. W. W. King spoke well on the need and value of bringing our difficulties in the relation of work and time to the notice of the head of our course and pleasure and benefit to be derived from conversation with him. It was suggested that the heads of departments would thus have a better notion of how the courses as planned are working out in reality.

J. J. Elbert spoke on the need of the fellows keeping together in their work and B. Dewey on the advantage of competition in a friendly way among the fellows. He said this will help the fellows when they get into competition with other men outside the Institute.

C. S. Robinson spoke of the chances for a baseball team in Course X. H. F. Paine, who was captain and catcher on the championship team at Brown last spring was unanimously elected captain and instructed to organize a team. L. R. Soule and J. N. Stephenson spoke on cross country and urged men to come out, both for the sport and to encourage the team.

(Continued on page 3.)

PLANS BEING BOOMED FOR TECH DAY.

SALES REACH $1500.

Amateur Events To Include Relay Races, Gym Exhibits, Tech Clowns and Ringmaster.

Only four days remain in which the New Tech Union will benefit by the Tech Day at the Boston Hippodrome. On March 21 the tickets will be sent to the office of the Boston Hippodrome and the interest of Technology, as far as the money profit goes, will cease on that date.

There is still a good supply of seats on the floor for evening performance, and some very good seats for the afternoon performance. In the balcony the good seats are not as yet all gone for either performances. On the floor the bleachers have so few rows of seats that one seat is as good as another. A number of good boxes have not been sold.

The sales up to date show that about 1500 Tech men, alumni or friends will be present, making the day, April 10, a true Tech Day. The classes of 1906 and 1907 have taken nearly all of their reservations on the stage.

Arrangements are now being made for certain amateur events, such as relay races, gymnastics, with Technology clowns and ringmaster.

Andrew N. Rebori, fifth year student in architecture has consented to take the position of ring-master. The track authorities are now working on arrangements for an inter-class relay race, with a large number of men on the teams, each running a short distance. It is very probable that the Tech gym team will give an exhibition.

Attempt is now being made to secure the freshman battalion band, and a company of cadets, to march in with the regular circus pageant.

An additional feature will be the playing of Tech songs, and songs from old Tech Show scores. The Institute Committee will take charge of the singing, and will appoint marshals and leaders.

PROF. NORTON INVENTS FIRE-PROOF WOOD.

Will Revolutionize Construction. As Good as Wood and Does Not Burn.

Professor Charles L. Norton, of the physics heat department, has invented a fireproof wood that may revolutionize modern construction. This wood is made from short-fibre asbestos.

For a long time there has been mined in the Province of Quebec the mineral, asbestos. This has been used for making asbestos paper, cloth, and a great many articles such as packings for steam engines, gaskets, and in fact, has been used wherever a flexible of fibrous material was wanted which was not inflammable and resisted the action of heat.

(Continued on page 3.)

MANY MINING THESES STARTED.

Interesting Researches Now Going On. New Problems in Unexplored Fields.

Many new and interesting researches are being carried out in the mining department this year.

Nelson S. Hammond and Tsok K. Tse are engaged in research covering the reduceability of lead oxide by means of mixtures of carbon monoxide and carbon dioxide at different temperatures. It is generally believed that lead oxide in a blast furnace is reduced to a considerable extent by carbon monoxide as is the case with ferric oxide in the iron blast furnaces. In view of the fact that in the gases of a lead blast furnace the percentage of carbon dioxide greatly prevails over that of carbon monoxide it seems doubtful that any lead oxide is reduced by carbon monoxide, but only by solid carbon. The research is to throw light on this question.

(Continued on page 2.)

WORDS OF STEIN SONG NOT SUITABLE FOR A TECH SONG.

SO SAY MUSICAL CLUBS.

Offer Three Prizes For New Verses.

As a result of the several articles which have from time to time appeared in The Tech concerning the words of the Stein Song, a committee of the Musical Clubs appointed to consider the matter has opened a competition for the composition of new verses for the song, as stated in the following announcement:

"The members of the clubs believe that the present words, which were not written by a Tech man, good as they are for a drinking song, are not suitable to be adopted and used as the official words of a Tech song.

"In order to stimulate interest in the matter of new words the Musical Clubs hereby offer $10 in prizes for words which will represent Tech spirit.

"Prizes to be divided as follows: $5.00 for the best verse and chorus; $3.00 for the second best verse; $1.00 each for the two next best verses.

"All communications should be left at the Cage addressed to one of the members of the undersigned committee.

"The committee will confer with Prof. Arlo Bates in the awarding of prizes. The committee reserves the right to withhold the prizes in case no suitable verses are submitted.

"In case of award the committee reserves the right to reject or use any or all words submitted.

"This competition closes Wednesday, April 8 at 12 noon.

"The committee offers the following verse as a suggestion.

"Now then cheer our Alma Mater
Till the echoes loud reply,
As we wave the bright triangle
Of the red and gray on high,
And we'll all sing the story
Of her greatness and her glory,
M. I. T. then forever,
Technology for aye.

Signed,

G. F. SHAFFER, chairman
N. L. COLEMAN,
F. W. SHARMAN.

ELECTRICAL MEETING TONIGHT.

At a meeting of the Boston Section of the American Institute of Elictrical Engineers to be held tonight at 8 o'clock in the auditorium of the Edison Company's building on Boylston Street there will be general discussion of papers on generators and converters. The papers follow:

"The Non-synchronous Generator in Central Station and Other Work," by W. L. Waters, "Some Developments in Synchronous Converters" by Charles W. Stone, and "Some Features of Railway Converter Design and Operation" by J. E. Woodbridge.

Non-members are cordially invited to attend these meetings, and any such desiring regular notices are requested to communicate with the chairman.

CHICAGO ALUMNI MEET.

At the annual banquet of the Northwestern Association of Alumni of M. I. T., J. L. Shortall 1887 was elected president for the coming season. Everett Morss 1885 gave a talk on the recent progress of the Institute, and Isham Randolph of Chicago spoke on the Panama Canal.

CO-PROFESSIONAL MARRIAGE ANNOUNCED.

William H. Shockley 1875 of Tonopah, Nevada, was married January 20 in San Francisco to Miss Mary Bradford, a young lady who had the distinction of being the only woman holding an appointment as U. S. deputy mineral surveyor.

THE TECH

Published every Monday, Wednesday, and Friday during the college year by students of the Massachusetts Institute of Technology.

Entered as second-class matter October 6, 1904, at the post office at Boston, Mass., under the Act. of Congress of March 3, 1879.

Editorial Staff.

CHANNING TURNER 1908 — *Editor-in-Chief*
W. F. DOLKE 1908 — *Managing Editor*
D. C. MCMURTRIE 1910 — *Sporting Editor*
H. W. HOOLE 1908
H. I. PEARL 1910
W. D. GREEN 1909
J. N. STEPHENSON 1909
D. CLAPP 1910 — *Associate Editors*

News Staff.

D. R. STEVENS 1911
G. C. KENNEY 1911
L. G. GLAZIER 1911
R. H RANGER 1911

Business Staff.

R. S. BICKNELL 1910 — *Business Manager*
C. A. WOODRUFF 1911
W. R. MCCUNE 1911
G. B. FORRISTALL 1911

Circulation Staff.

G. A. HAYNES 1909 — *Circulation Manager*
M. W. HOPKINS 1911

All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Circulation Manager.

Subscription - - - $1.50 per year in advance. Single Copies 3 Cents.

Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage.

Printed by Old Colony Press, Boston.

Wednesday, March 18, 1908.

The Tech takes pleasure in announcing the election of Merton W. Hopkins 1911 to the position of assistant circulation manager and the appointment of Alexander W. Yereance 1911 to the circulation staff.

In regard to the Electrical Engineering Society's final settlement with Technique 1908, The Tech was misinformed. The bill was paid March 9 instead of March 11 as previously stated.

A SQUARE DEAL.

In the mechanical engineering drawing room yesterday morning L. Loeb 1908 was on hand for a little while to mark the Class Day Committee ballots. He gave the men to understand that they should vote for the six men whose names he underlined. He said that he was working for a square deal.

This aim is admirable but the means Mr. Loeb used to reach his ends are questionable. There is no objection to realizing that certain men have not reached the recognition that is perhaps due them and there is no objection to voting for them. The thing that there is strong objection to is the introduction of politics into college life. It has no place there and should not be allowed to exist.

The class of 1908 has worked together so far without any suspicion of political deals. As alumni the members of the class should be able to stand together without unpleasant thoughts of past misunderstandings.

In voting for the committee vote most assuredly for the men that you believe are deserving of the honor. But do not let the taint of marked tickets and political bickerings creep into the last undergraduate election of the class of 1908.

TRACK SQUAD PICTURE.

To be Taken Friday Noon.

The picture of the track squad will be taken at Notman's on Boylston Street Friday noon at one o'clock. The object of having it taken at this time is to have it for publication in the Tech Show Program. If any one is in doubt as to whether he belongs in the picture he should consult the manager or the coach of the team. It is essential that all be prompt as the picture will be taken in costume and will necessarily consume considerable time.

MANY MINING THESIS STARTED.

(Continued from page 1.)

Leon A. Dickinson and Paul H. Mayer B.S. are at work on the freezing point curve of nickel-copper sulphides. For the fusion of the mixture Prof. C. L. Norton's new electric graphite furnace will be used. It is expected that with this furnace the mixtures can be held any necessary time at constant temperatures and thus enable one to determine definitely the retardations which are liable to escape observation in the gas furnaces employed heretofore.

Ching Yu Wen is carrying investigations on the amounts of heat set free or absorbed in the formation of some ferro-calcic-Silicates. He intends to carry through a singulo- and a bi-silicate series and to finish up with several typical slags which are used in lead and copper smelting. No definite data exists at present relating to the heats of formation of these silicates, in fact there is a question whether the values will be positive or negative. The results will be of much practical value.

Alexander H. Bradford and Charles A. Gibbons Jr. are going to perform a pyritic smelting of a pyrrhotite nickel-copper ore from Sudbury, Ont.

The aim is to observe all the data necessary for making a complete account of stock of materials, the thermal-balance sheet and thus obtain a complete analysis of the operations as a whole.

The other theses are as follows:

W. J. E. Barkus and H. N. Penney, copper ore requiring concentrating from Virginia: D. K. Bullens and P. H. Heimer, cyaniding a gold ore: K. G. Chipman and J. W. Maxwell B. S., making geological investigations in the field; C. G. Ewing and B. B. Holmes, concentrating a lead ore from Missouri; P. R. Fanning, geological investigations in the field; L. C. Hampton, concentrating an Ontario ore; C. R. Lamont, making geological investigations in the field with the microscope on crystaline rocks; J. B. Meyers B. S., and P. H. Sweeney, B. A., working on the geology of Mount Makushin from notes taken during Prof. Jaggar's trip; W. Christensen, making investigation on accuracy of assaying; Y. S. Bonillas and V. M. Frey, making investigations in the field in Rhode Island.

LEARN BANK CONSTRUCTION.

Mr. W. S. Parker, with R. Clipston Sturgis, architect, Boston, gave a very detailed talk on the plans and construction of the New First National Bank on Franklin St., between Congress and Federal Streets, to the architects at their smoker last night.

The building is a very imposing structure. The main banking room of limestone, running up through all four floors, occupies almost the entire building. Suites of offices are located only at the ends.

On Friday, March 13, the contractors turned the finished building over to the bankers. It is still not open to the public, but Mr. Parker kindly invited all the men at the smoker to inspect the building with him this afternoon.

Lots of people never worry about style, just buy

FOWNES GLOVES

and hit it right

"THE GIRLS ARE FOND OF THESE"

Tech Emblems

Greatest Variety
Lowest Prices

BENT & BUSH

15 SCHOOL ST. BOSTON, MASS.

ON THE BUSINESS BATTLE FIELD

You should arm yourself with the best instruments of battle of the highest perfection. Our engravings and illustrations make your VICTORY SURE. If you don't want to retreat call at the address below.

Massachusetts Engraving Co.

ENGRAVERS AND ILLUSTRATORS

Telephone, Hay. 1724-1725 — 104 HANOVER ST., CITY

THE GURNEY NATIONAL

IS THE MODERN

ELEVATOR

For Passenger and Freight Service

EXCELS ALL OTHERS IN SAFETY, RELIABILITY AND ECONOMY

W. S. TUBMAN, Agent

20 CENTRAL STREET, BOSTON, MASS.

OTIS ELEVATOR COMPANY

53 State Street, BOSTON

Electric and Hydraulic Elevators
ESCALATORS (Moving Stairways)

C. A. PATTEN & CO.

Merchant Tailors

No. 43 TREMONT ST., Carney Bldg., BOSTON

The new shades for Spring are now in stock.
Now is the best time for an early selection.
Some nobby styles in fancy blue serges.

STONE & WEBSTER

147 MILK STREET, BOSTON

General Managers of

The Lowell Electric Light Corporation. The Seattle Electric Company. Puget Sound Electric Railway. Columbus Electric Company. Cape Breton Electric Company, Ltd. El Paso Electric Company. Jacksonville Electric Company. Ponce Electric Company. Paducah Traction and Light Company. Pensacola Electric Company. The Minneapolis General Electric Company. Edison Electric Illuminating Co. of Brockton. Houghton County Electric Light Company. Brockton and Plymouth Street Railway Company. The Houghton County Street Railway Company. Whatcom County Railway and Light Company. Savannah Electric Company. Dallas Electric Corporation. Northern Texas Electric Company. The Blue Hill Street Railway Company. Fort Hill Chemical Company. Tampa Electric Company. General Electro-Chemical Company. Houston Electric Company. Fall River Gas Works Company. Galveston Electric Company. The Key West Electric Company. Baton Rouge Electric Company. Puget Sound International Railway & Power Company.

COPLEY SQUARE HOTEL

Huntington Ave. Exeter and Blagden Streets

PATRONAGE OF TECH" STUDENTS SOLICITED IN OUR CAFE AND LUNCH ROOM

The attention of Secretaries and Banquet Committees of Dining Clubs, Societies, Lodges, etc, is called to the fact that the Copley Square Hotel has exceptionally good facilities for serving Breakfasts, Luncheons or Dinners and will cater especially to this trade.

300 ROOMS. 200 WITH PRIVATE BATHS.

Amos H. Whipple, Proprietor

COES & STODDER

FOR FOURTEEN YEARS

The Leading College Shoe House

14 SCHOOL STREET

THE BOSTON HIPPODROME
MECHANIC'S BUILDING
Roger's Mammoth Indoor Circus
TECH DAY
APRIL 10
Secure Your Tickets Before March 22

SMULLEN & CO.
51 SUMMER ST.
Tailors
SPECIAL INDUCEMENTS TO TECH STUDENTS

GEO. H. ELLIS CO
Printers
No. 272 CONGRESS STREET
BOSTON, MASS.
Phone, 1549

MORSE & HENDERSON
Tailors
18 BOYLSTON STREET
Rooms 14-15
Telephone Oxford 99 BOSTON

HERRICK TICKETS ALL THEATRES
Copley Square
Telephone
2329, 2330 and 2331 Back Bay

MAKER TO WEARER
THE SPHINX
$2.00 HAT
412 WASHINGTON ST. BOSTON
SPRING STYLES

ASK ANY COLLEGE MAN
ABOUT
COES & YOUNG'S
SHOES
20 SCHOOL STREET, - BOSTON

"ALL WORK AND NO PLAY MAKES JACK A DULL BOY"
"TECH BOWLING HEADQUARTERS"
TRINITY COURT——————BOWLING ALLEYS
Established 1898 175 Dartmouth Street Opp. Pierce Bldg.
Two minutes walk from all Tech Buildings. Unexcelled facilities for ladies and the most fastidious bowler to enjoy this fascinating and healthy pastime. Alleys reserved and screened for private parties. Come in and enjoy a little fun and exercise between periods.

PROF. NORTON INVENTS.

(Continued from page 1.)

In getting out of the ground and preparing for market the longer fibres there has been hitherto large waste and a great accumulation of short fibre, so that the "dumps" as they are called, from the asbestos mines extend over great areas and have become a great nuisance and expense.

This condition of things came to the attention of Prof. C. L. Norton of the Physical Department of the Institute while attempting to make a fireproof substitute for wood and he succeeded in making from this very short or refuse asbestos a substance which has been called "asbestos wood."

It possesses the properties of wood to a certain extent, for instance, in that it may be sawed, planed and drilled with the same tools and with the same speed with which hard wood can be worked, and since it is very largely asbestos, it has been given the name "asbestos wood."

As to its physical properties, it is gray in color, weighs from fifty to seventy-five per cent more than the softer woods but not much more than oak and about one-half as much as slate, the weight of an inch board 12 x 12 inches being about eight pounds.

Its fibre strength under transverse loads is about three-fifths that of white pine, but the "asbestos wood" having no knots or shakes and having also the same strength in both directions, there being no grain, has for many purposes quite as effective a strength as ordinary wood.

When exposed to high temperatures it does not burn but loses a portion of its strength. It warps slightly if unequally heated until temperature well above red heat is reached. At these high temperatures its strength becomes markedly less.

At present the material is being made and sold in sheets 36 x 48 inches and in thickness varying from 1-4 to 2 1-2 inches. Doors, window frames, sheathing, floors and similar portions of structures have been made successfully of the "asbestos wood" which is nailed and screwed and painted or varnished, if one so wishes, just like ordinary wood.

The "asbestos wood" being somewhat absorbent of moisture does not serve well as an electrical insulator unless it be further treated with an insulating medium. As a result of such treatment, there is made what is known as Ebony and Oak "asbestos wood." These are used as substitutes for slate and marble and are capable of withstanding high voltages as, for instance, those one-half to an inch in thickness will not break down at voltages less than fifty or seventy-five thousand volts.

It seems to be resistant to the action of water. Its insulation resistance is distinctly above that of slate even when dry and equal to the blue Vermont marble which is so much used for electrical purposes. The Ebony and Oak are much stronger than the plain "asbestos wood," are harder to work and are heavier and are more expensive than the plain wood, but are easier to work than slate or marble.

CHEMICAL ENGINEERS DINE.

(Continued from page 1.)

The men present were W. M. Pettingell, A. E. Shippee, E. E. Wells, Bradley Dewey, Carl W. Gram, C. L. Campbell, H. F. Paine, L. R. Soule, L. R. Forrest, Clark S. Robinson, W. C. Kerr, J. J. Elbert, R. E. Blankenbeuhler, L. B. Beers, W. W. King, C. H. Pope, J. N. Stephenson.

NOTICES.

1910.—Sophomore Baseball Meeting in 26 Rogers, Friday at 1.00 P. M.

MINING ENGINEERS.—Meeting of the Mining Engineering Society Friday at 4 in 2 Rogers.

TRACK TEAM.—Candidates for the track team will find the Field open every afternoon.

THE TECH.—The Board of Editors of The Tech will meet in 30 Rogers today at 1 P. M.

Y. M. C. A.—Rev. P. R. Frothingham will address tomorrow's meeting at 1.30 P. M. in Trinity Church Library.

1911.—Meeting at Armory today at 1.45 P. M. to discuss second assessment, football, and baseball.

PENN. CLUB.—The Pennsylvania Club will meet at the Union tomorrow at 6.30 P. M. All Pennsylvania men whether members or not are invited to attend.

The Technology Review
A QUARTERLY MAGAZINE DEVOTED TO THE INTERESTS OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY
AND
PUBLISHED BY THE ASSOCIATION OF CLASS SECRETARIES
83 NEWBURY STREET, BOSTON
The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering m gazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.
THE REVIEW is published during January, April, July, and October. Communications should be addressed to The TECHNOLOGY REVIEW, 83 Newbury St., Boston.
SUBSCRIPTION, ONE DOLLAR A YEAR
SINGLE COPIES, THIRTY-FIVE CENTS
Volumes I., III., IV., and V., finely bound in half morocco, are ready for delivery at $2.00 each, or will be exchanged for unbound sets, provided they are in good condition, at $1.00 each. (If sent by mail, 30 cents extra.) Vols. VI. and VII. at $2.25 each, or they will be exchanged for unbound sets at $1.25 each.

GENTLEMEN
WHO DRESS FOR STYLE NEATNESS, AND COMFORT WEAR THE IMPROVED
BOSTON GARTER
THE RECOGNIZED STANDARD
The Name is stamped on every loop—
The Velvet Grip CUSHION BUTTON CLASP
LIES FLAT TO THE LEG—NEVER SLIPS, TEARS NOR UNFASTENS
Sample pair, Silk 50c., Cotton 25c. Mailed on receipt of price.
GEO. FROST CO., Makers Boston, Mass., U.S.A.
ALWAYS EASY

DAVID J. FOX
Hatter and Haberdasher
LAUNDRY RETURNED IN TEN HOURS
Up-to-date Novelties in Men's Furnishings
Corner CHANDLER & DARTMOUTH STS.
Special attention to Tech Men

DONARA
AN ARROW
Clupeco Shrunk Quarter Size Collar
15 cents each, 2 for 25 cents
CLUETT, PEABODY & CO.
Makers of Cluett and Monarch Shirts

TYPEWRITERS
LARGEST STOCK LOWEST PRICES
Easy monthly payments Renting and Repairing
CUTTER-TOWER CO.
234 Devonshire St., Boston, Mass.

To Tech Students
A LARGE POSTER FREE THIS MONTH
BENJAMIN KABATZNICK
Announces the opening of his Art Shop
50 BROMFIELD STREET, - - BOSTON, MASS.
I MAKE A SPECIALTY OF FURNISHING PICTURES FOR STUDENT'S ROOMS

Floral Designs a Specialty
Flowers and Plants at Reasonable Prices
FINE, The Florist
202 Dartmouth St., Boston, Mass.
Telephone, 1521-3 Back Bay
Fresh Violets Three Times a Day

DINING ROOM
23 ST. BOTOLPH STREET
Popular Prices. Special Attention to "Tech Men." Try our Course Lunch 25c.
W. H. PRIDHAM

T. J. SOUTHWELL
Stationer and Newsdealer
Circulating Library Laundry Agency
Ladies' and Gentlemen's Furnishings
66 HUNTINGTON AVENUE, BOSTON
Near cor. of Irvington Street

Try the
MEADOWBROOK LUNCH COUNTER
24-26 Huntington Avenue

DAVID W. EDWARDS, Jr.
Tailor
420 Boylston Street, - Boston
Telephone, Back Bay 3535-3

SPECIAL REDUCTIONS
Men's Cheviot Shirts, cuffs attached and detached, 98c. each
Imported Cape Gloves reduced to 98c. a pair
Fancy Waistcoats to $1.27 each
PLAZA OUTFITTERS
431 COLUMBUS AVE., Next to Hotel Plaza

THE STUDENT'S DRUG STORE
UNDER COPLEY SQUARE HOTEL
We make a special effort to merit the patronage of our student friends . . . . . .
Don't forget the address — under Copley Square Hotel

LANDER'S
LUNCH AND COFFEE HOUSE
25 YEARS EXPERIENCE
20 Huntington Avenue, near Copley Square
ALSO AT 46 HIGH STREET
TELEPHONE 5319-1 BACK BAY BOSTON

W. M. ROWAN
"THE TECH BARBER"
Westminster Hotel . . St. James Ave.
SPECIAL TO STUDENTS
HAIR CUT 25 CENTS SHAVE 15 CENTS

TECH MEN
Especially Catered for at
33 ST. BOTOLPH ST.
A. G. Cotton

MARSH METZ the MECHANICAL MARVEL

Possesses:—

¶ Careful construction by experts from progressive and perfected designs.
¶ Strength, power and lack of excessive weight.
¶ Perfect control, mechanical accessibility and ability to negotiate any road.

If You Want:—

¶ A machine for business, pleasure or speed,
¶ To ride with the greatest comfort and safety,

The M. M. is the machine for you as it possesses the latest features of motorcycle progress; such as low center of gravity, the new spring fork, perfect grip control and simplicity of construction.

CALL AND SEE FOR YOURSELF

AMERICAN MOTOR COMPANY

218 Clarendon St., opp. Mass. Inst. of Technology BOSTON

EUGENE DIETZGEN CO.

NEW YORK, CHICAGO, SAN FRANCISCO, NEW ORLEANS, TORONTO.

OUR BOSTON AGENTS
LEDDER & PROBST
387 Washington St.
STOCK A FULL LINE OF OUR GOODS

SOMETHING NEW
MULTIPLEX SLIDE RULE

HIGGINS'

Drawing-Inks
Eternal Writing-Ink
Engrossing-Ink
Taurine Mucilage
Photo-Mounter
Drawing-Board Paste
Liquid Paste
Office Paste
Vegetable Glue, Etc.

Are the Finest and Best Inks and Adhesives. Emancipate yourself from the use of corrosive and ill-smelling inks and adhesives and adopt the *Higgins Inks and Adhesives.* They will be a revelation to you, they are so sweet, clean, and well put up.

At Dealers Generally.

CHAS. M. HIGGINS & CO., Mfgrs.
Branches: Chicago, London
271 Ninth Street, Brooklyn, N.Y.

H. P. HOOD & SONS MILK TRADE MARK

These Are Your Safeguards

Scrupulous care in milking—hygienic methods in handling—freedom from adulteration—cool temperature—healthy cows—a richness in cream—a fineness in flavor—these are the means by which HOOD'S MILK brings health and happiness into 70,000 homes.

VISIT OUR DAIRY LABORATORY AT 70 HUNTINGTON AVENUE.

H. P. HOOD & SONS
494 Rutherford Ave. 'Phone Ch's'n 600

CALENDAR.

Wednesday, March 18, 1908.

1.00 P.M. Board of Editors of The Tech Meets in 30 Rogers.
1.45 P.M. Freshman Class Meets at the Armory.
4.00 P.M. Tech Show Chorus Rehearses at the Union.
4.15 P.M. Civil Engineering Society Meets in 11 Eng. B.

Thursday, March 19, 1908.

1.30 P.M. Y. M. C. A. Meeting in Trinity Church Library.
4.00 P.M. Tech Show Principals Rehearse at the Union.
4.00 P.M. Track Team Meets at the Field.
4.15 P.M. Glee Club Rehearses in Y. M. C. A. Auditorium.
4.15 P.M. Mandolin Club Rehearses in 31 Rogers.
6.30 P.M. Pennsylvania Club Dinner at the Union.

Friday, March 20, 1908.

1.00 P.M. Sophomore Baseball Meeting in 26 Rogers.
4.00 P.M. Tech Show Chorus Rehearses at the Union.
4.15 P.M. Banjo Club Rehearses in 33 Rogers.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

A great chance for several energetic college men. Good salary and expense provision. Those interested in paying college expenses address Hertel, Jenkins & Co., 176 Federal Street.

Men who desire summer work at $2.50 per day, leave note for Woodruff at the Cage. ATTEND TO THIS NOW.

KEY FOUND.—A key has been found; apply at the Bursar's office.

CAMERA FOR SALE.—A Century 4 x 5 camera with unusual good lens, for sale. Exchange for Eastman Folding Kodak will be considered. Address Box 24, the Cage.

FOR SALE.—Technique 1909 has a few subscriptions to the Engineering Record, the Street Railway Journal, and the Electrical World, which will be sold at $2.50 as long as they last. Regular price $3.00.

TELEPHONE OXFORD 953-2

NOW is the BEST TIME to have your LIGHT-WEIGHT CLOTHES MADE

ARTHUR ONTHANK
Tailor
105 Summer St., - Boston
References among Tech Men

Hotel Westminster

COPLEY SQUARE
BOSTON
Charles A. Gleason C. Norris Whiting

All Goods Required by Students at

Maclachlan's

502 Boylston St.

Drawing Instruments and Materials, etc.
Fountain Pens, Text-books

THE OLD COLONY PRESS

Printers

Books, Periodicals, Catalogues
Commercial and Society Work

Telephone 1380 Main

152 PURCHASE STREET
Boston, Mass.

ELEVATOR

CHAMBERLAIN HATS

637 Washington Street, cor. Boylston Street
663 Washington Street, opp. Beach Street

J. C. LITTLEFIELD
Tailor and Outfitter
12 BEACON STREET, BOSTON

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order. Golf Breeches, Riding Breeches and, Dress Suits a Specialty

DISCOUNT TO STUDENTS